

| Datum  | Lufttemperatur |       |       | Global-<br>strahl.   | Nieder-<br>schlag | RelativeLuftfeuchte |        | Bodentemperatur |      |                |      | Potentielle<br>Evapotransp.* |
|--------|----------------|-------|-------|----------------------|-------------------|---------------------|--------|-----------------|------|----------------|------|------------------------------|
|        | Mittel         | Min.  | Max.  |                      |                   | Max.                | Mittel | Mittel<br>5cm   | 20cm | Minimum<br>5cm | 20cm |                              |
|        | [°C]           | [°C]  | [°C]  | [J/cm <sup>2</sup> ] | [mm]              | [%]                 | [%]    | [°C]            | [°C] | [°C]           | [°C] | [mm]                         |
| 01.12. | 5.0            | 0.9   | 6.3   | 127                  | 16.9              | 99.5                | 97.2   | 6.2             | 6.5  | 4.5            | 6.3  | 0.5                          |
| 02.12. | 1.2            | -2.6  | 5.1   | 184                  | 0.0               | 99.4                | 96.5   | 3.2             | 5.2  | 2.2            | 4.5  | 0.5                          |
| 03.12. | 4.2            | 0.5   | 8.6   | 290                  | 0.2               | 98.1                | 85.8   | 3.4             | 4.2  | 1.9            | 3.9  | 0.7                          |
| 04.12. | 4.3            | 2.0   | 6.6   | 95                   | 1.0               | 99.3                | 95.0   | 4.5             | 4.8  | 3.3            | 4.6  | 0.4                          |
| 05.12. | 2.8            | -0.1  | 5.0   | 250                  | 0.2               | 94.5                | 85.8   | 3.0             | 4.1  | 1.8            | 3.8  | 0.6                          |
| 06.12. | 7.4            | 4.6   | 9.8   | 118                  | 2.7               | 99.5                | 93.5   | 5.2             | 4.6  | 3.7            | 4.1  | 0.5                          |
| 07.12. | 5.7            | 0.2   | 9.6   | 463                  | 0.0               | 99.5                | 91.5   | 4.8             | 5.3  | 2.9            | 5.0  | 1.0                          |
| 08.12. | 5.5            | 1.4   | 8.1   | 104                  | 3.7               | 99.5                | 93.7   | 4.7             | 4.8  | 3.1            | 4.5  | 0.4                          |
| 09.12. | 5.6            | 1.9   | 7.1   | 102                  | 0.0               | 99.5                | 93.0   | 5.3             | 5.4  | 3.4            | 5.2  | 0.4                          |
| 10.12. | 5.6            | 2.3   | 8.5   | 89                   | 11.8              | 99.5                | 96.3   | 4.8             | 4.9  | 3.3            | 4.6  | 0.4                          |
| 11.12. | 2.9            | 1.7   | 4.0   | 87                   | 2.4               | 99.5                | 96.7   | 4.4             | 5.0  | 3.1            | 4.5  | 0.4                          |
| 12.12. | 1.5            | 0.1   | 2.5   | 148                  | 1.4               | 99.5                | 96.6   | 3.2             | 4.1  | 2.6            | 3.9  | 0.4                          |
| 13.12. | -1.4           | -2.2  | 0.2   | 88                   | 0.0               | 99.4                | 89.7   | 1.5             | 3.2  | 0.9            | 2.6  | 0.3                          |
| 14.12. | -2.1           | -3.2  | -1.3  | 102                  | 0.0               | 98.5                | 91.4   | 0.9             | 2.3  | 0.8            | 2.1  | 0.3                          |
| 15.12. | -1.3           | -1.9  | -0.2  | 188                  | 0.0               | 99.3                | 96.2   | 0.8             | 1.9  | 0.7            | 1.9  | 0.4                          |
| 16.12. | -2.2           | -5.8  | -0.8  | 97                   | 0.0               | 99.3                | 92.8   | 0.7             | 1.7  | 0.5            | 1.6  | 0.3                          |
| 17.12. | -5.4           | -7.9  | -3.9  | 60                   | 0.0               | 99.1                | 90.2   | 0.2             | 1.3  | 0.1            | 1.1  | 0.2                          |
| 18.12. | -9.8           | -15.7 | -2.8  | 215                  | 0.1               | 98.5                | 90.4   | -0.1            | 1.0  | -0.3           | 0.8  | 0.3                          |
| 19.12. | -15.2          | -17.9 | -13.0 | 201                  | 0.0               | 93.4                | 92.4   | -0.3            | 0.7  | -0.4           | 0.6  | 0.1                          |
| 20.12. | -10.0          | -13.9 | -4.8  | 383                  | 0.1               | 96.0                | 82.3   | -0.6            | 0.5  | -0.8           | 0.3  | 0.3                          |
| 21.12. | -2.2           | -4.7  | -0.8  | 333                  | 0.0               | 97.8                | 77.7   | -0.4            | 0.3  | -0.6           | 0.3  | 0.5                          |
| 22.12. | 2.7            | -1.8  | 7.9   | 191                  | 1.0               | 98.1                | 87.3   | -0.2            | 0.2  | -0.3           | 0.2  | 0.5                          |
| 23.12. | -0.4           | -4.7  | 2.4   | 277                  | 12.7              | 99.5                | 98.2   | 0.0             | 0.3  | -0.1           | 0.2  | 0.5                          |
| 24.12. | -1.1           | -4.0  | 0.6   | 218                  | 0.0               | 99.4                | 99.4   | 0.0             | 0.3  | 0.0            | 0.3  | 0.4                          |
| 25.12. | 3.5            | 0.2   | 7.4   | 193                  | 4.1               | 99.5                | 84.9   | 0.0             | 0.4  | 0.0            | 0.4  | 0.5                          |
| 26.12. | 3.1            | -2.0  | 5.8   | 472                  | 0.0               | 99.2                | 76.8   | 0.0             | 0.5  | 0.0            | 0.4  | 0.9                          |
| 27.12. | 0.8            | -2.5  | 3.9   | 306                  | 0.0               | 99.3                | 79.3   | 0.0             | 0.6  | 0.0            | 0.6  | 0.6                          |
| 28.12. | 2.2            | -0.8  | 4.4   | 182                  | 0.0               | 99.4                | 89.4   | 0.0             | 0.7  | 0.0            | 0.6  | 0.5                          |
| 29.12. | -1.3           | -5.2  | 0.8   | 406                  | 1.9               | 99.4                | 96.0   | 0.0             | 0.7  | 0.0            | 0.7  | 0.6                          |
| 30.12. | 0.1            | -0.1  | 0.6   | 126                  | 10.5              | 99.4                | 99.4   | 0.0             | 0.7  | 0.0            | 0.7  | 0.3                          |
| 31.12. | -0.9           | -2.2  | 0.1   | 96                   | 9.4               | 99.4                | 99.3   | 0.1             | 0.7  | 0.1            | 0.6  | 0.3                          |

|                            | Aktuell                  | Langj. Mittel            | Differenz               |
|----------------------------|--------------------------|--------------------------|-------------------------|
| Monat: Mittlere Temperatur | 0.3 °C                   | 1.1 °C                   | -0.8 K                  |
| Niederschlagssumme         | 80.1 mm                  | 28.5 mm                  | 51.6 mm                 |
| Mittlere Luftfeuchte       | 91.4 %                   | 84.9 %                   | 6.5 %                   |
| Globalstrahlung            | 6193 J/cm <sup>2</sup>   | 5777 J/cm <sup>2</sup>   | 416 J/cm <sup>2</sup>   |
| Potentielle Evapotransp.   | 13.9 mm                  | 12.4 mm                  | 1.5 mm                  |
| Jahr: Mittlere Temperatur  | 9.9 °C                   | 8.8 °C                   | 1.1 K                   |
| Niederschlagssumme         | 608.1 mm                 | 483.3 mm                 | 124.8 mm                |
| Mittlere Luftfeuchte       | 79.3 %                   | 77.5 %                   | 1.8 %                   |
| Globalstrahlung            | 403364 J/cm <sup>2</sup> | 346047 J/cm <sup>2</sup> | 57317 J/cm <sup>2</sup> |
| Potentielle Evapotransp.   | 855.8 mm                 | 641.9 mm                 | 213.9 mm                |

| Fruchtart<br>(im lfd.Jahr) | Aktuelle Evapotranspiration * |  | Umsatzaktivität (WMZ) * ab 01.01. |                       |
|----------------------------|-------------------------------|--|-----------------------------------|-----------------------|
|                            | Aktuell                       |  | Aktuell                           | Langj.Mittel : 30.3 d |
| Winterweizen               | 10.8 mm                       |  | 32.6 d                            |                       |
| Zuckerrüben                | 10.8 mm                       |  | 33.3 d                            |                       |
| Sommergerste               | 17.2 mm                       |  | 33.3 d                            |                       |
| Kartoffeln                 | 10.8 mm                       |  | 33.2 d                            |                       |

(\* berechnet mit dem Modell CANDY für das Meßfeld in Bad Lauchstädt)